

ETHYLENE TRIMERIZATION CATALYST AND ETHYLENE TRIMERIZATION METHOD USING THE SAME

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Abstract of JP2003088760

PROBLEM TO BE SOLVED: To produce 1-hexene efficiently and highly selectively from ethylene.

SOLUTION: The trimerization catalyst consists of either an organic metal complex coordinated with a neutral multi-dentate ligand and having a tripod-type structure defined as AMB_n (1) (in the formula, n is an integer of 1-3; A denotes a neutral multi-dentate ligand having a tripod-type structure; M denotes a transition metal atom belonging to group III to group X of a periodic table; B denotes one or more substances selected from hydrogen atom, a halogen atom, and linear or branched alkyl groups), a halogenated inorganic compound, and an alkyl aluminoxamine or an organic metal complex as described above, a halogenated inorganic compound, an alkyl aluminoxamine, and an alkyl-containing compound. The catalyst is used for the production.

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